MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER 1921

J. A. BROWN, DIRECTOR

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OCTOBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min.on grass		
1	759.7	759.0	759.6	759.4	27.9	24.6			
2	61.4	61.1	62.2	61.6	29.0	23.2			
3	1.8	1.2	1.6	1.5	28.0	22.3			
4	1.8	1.3	1.7	1.6	27.2	22.7			
5	1.8	1.4	1.6	1.6	26.6	20.0	—	—	—
6	1.6	0.1	59.9	0.5	26.6	21.6			
7	59.9	59.0	9.4	59.4	27.2	22.4			
8	9.5	8.9	9.5	9.3	27.2	21.2			
9	60.1	9.4	9.8	9.8	26.8	21.1			
10	60.0	8.7	8.5	9.1	26.6	20.4	—	—	—
11	58.3	8.1	8.7	8.4	26.2	20.8			
12	60.7	61.6	63.3	61.9	26.1	20.4			
13	5.3	4.5	4.5	4.8	25.4	19.1			
14	3.8	2.6	2.6	3.0	20.3	20.4			
15	2.4	1.5	1.9	1.9	25.2	19.4	—	—	—
16	1.4	0.6	0.9	1.0	25.7	18.7			
17	1.7	1.6	2.3	1.9	24.9	18.2			2.79
18	3.2	2.6	3.4	3.1	25.4	18.3			
19	4.4	3.4	3.4	3.7	24.3	17.7			
20	2.9	1.8	1.6	2.1	27.8	21.5	—	—	—
21	2.2	1.3	1.8	1.8	26.4	21.2			
22	1.9	1.4	2.3	1.9	25.6	19.7			
23	3.2	2.8	3.9	3.3	24.4	20.4			
24	5.3	5.4	6.1	5.6	24.1	18.3			
25	6.1	5.0	4.8	5.3	24.3	18.4	—	—	—
26	3.8	2.1	2.7	2.9	25.0	21.1			
27	2.8	2.2	3.2	2.7	24.9	19.1			
28	3.9	3.0	3.8	3.6	24.9	18.9			
29	3.4	1.8	1.9	2.4	24.6	18.7			
30	59.1	58.0	58.6	58.6	27.9	18.6			
31	9.9	60.1	61.0	60.3	25.8	20.8			
	762.4	761.3	761.8	761.0	26.1	20.3			2.79

BAROMETER

Maximum	766.1	on 24th & 25th
Minimum	758.0	on 30th

THERMOMETER

Maximum	29.0	on 2nd
Minimum	17.7	on 19th
Minimum on grass		on

RAINFALL

Maximum 2.79 mm. on 17th

Number of days with rain 1 thunderstorms 0 fog 0 gale 0

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Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	26.9	27.9	26.6	27.1	23.1	24.8	23.7	18.0	18.1	19.5	18.5	68	74	76	73
2	26.9	28.7	24.2	26.3	22.9	23.9	21.5	17.7	18.0	17.1	17.6	67	60	76	68
3	26.6	27.3	23.9	25.9	22.1	21.7	21.2	16.4	15.3	16.6	16.1	62	56	75	64
4	24.3	26.6	23.3	24.7	19.8	20.4	18.8	14.1	13.7	13.2	13.7	63	53	61	62
5	24.2	26.3	23.9	24.8	18.8	19.9	17.9	12.6	13.2	11.7	12.5	55	52	53	53
6	24.1	25.5	25.4	25.3	19.0	20.1	19.9	13.0	13.3	13.7	13.3	58	52	57	56
7	25.6	27.0	23.1	25.2	20.2	20.3	18.3	14.0	13.4	15.1	14.2	57	50	60	56
8	25.4	26.6	23.3	25.1	20.3	20.5	18.4	14.2	13.7	12.7	13.5	59	52	59	57
9	24.9	26.6	23.9	25.1	20.3	21.3	19.9	14.5	15.0	14.6	14.7	61	57	66	61
10	24.9	26.1	23.9	25.0	19.9	20.4	19.2	13.9	14.0	13.4	13.8	60	55	60	58
11	24.8	26.0	23.6	24.8	19.7	19.3	18.5	13.5	12.5	12.6	12.9	59	50	58	56
12	23.6	25.6	22.7	24.0	19.3	18.0	16.7	13.8	11.0	10.6	11.8	63	45	51	53
13	23.4	24.9	24.0	24.1	16.4	16.8	16.7	10.1	9.8	10.1	10.0	47	42	45	45
14	24.8	25.5	23.9	24.7	17.8	18.2	16.6	10.2	11.6	10.0	10.6	44	48	46	46
15	23.0	24.7	20.6	22.8	16.8	17.3	15.6	10.7	10.5	10.2	10.5	51	45	56	51
16	24.1	25.2	22.2	23.8	16.5	19.0	17.7	9.8	12.4	12.2	11.5	44	53	61	53
17	21.9	24.5	21.0	22.5	17.3	18.5	17.8	11.8	12.1	13.0	12.3	60	53	70	61
18	24.2	23.8	21.7	23.2	15.6	17.1	15.7	8.9	10.4	9.9	9.7	40	46	51	46
19	21.7	23.9	23.5	23.0	15.4	17.0	17.7	9.6	10.5	11.6	10.6	49	48	54	50
20	24.6	26.8	22.3	24.6	18.3	19.8	18.7	11.7	12.7	13.6	12.7	51	48	67	55
21	24.2	25.9	22.0	24.0	19.2	20.2	18.3	13.2	13.7	13.2	13.4	58	55	67	60
22	23.4	25.2	22.1	23.6	18.4	19.7	18.5	12.6	13.5	13.4	13.2	59	57	67	61
23	23.3	23.2	20.9	22.5	18.9	18.3	17.6	13.3	12.5	12.7	12.8	62	60	69	64
24	22.1	23.3	20.6	22.0	16.4	17.2	16.8	10.6	11.1	11.8	11.2	53	52	65	57
25	22.1	23.9	23.3	23.1	16.6	18.4	20.4	10.7	12.3	15.7	12.9	54	56	74	61
26	23.9	24.4	22.3	23.5	19.2	20.7	19.6	13.4	15.4	14.9	14.6	60	68	74	67
27	23.1	24.6	20.7	22.8	18.8	19.8	17.6	13.3	13.8	12.8	13.3	63	60	71	65
28	23.4	24.3	20.6	22.7	16.6	18.4	17.6	10.2	12.1	12.8	11.7	48	53	70	57
29	22.6	24.3	22.4	23.1	16.7	19.1	19.9	10.7	13.0	15.5	13.1	52	47	78	62
30	26.9	27.2	23.3	25.8	17.3	19.8	16.1	9.7	12.5	9.7	10.6	36	46	45	42
31	25.1	24.9	22.0	24.0	19.2	21.1	19.1	12.8	15.7	14.4	14.3	54	67	73	65
	24.2	25.2	22.8	24.1	18.6	19.6	18.5	12.6	13.1	13.8	13.1	55.4	53.9	62.7	57.6

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	0	0	0	0.0	2ne	2ne	2n	423.8	v. Slight	
2	0	0	0	0.0	0	Inw	0	194.6	calm	
3	Icu	0	0	0.3	Inw	2nw	0	109.7	,,	
4	2cu n	3cu	2cu n	2 3	0	2sw	0	152.1	,,	
5	Is	Icu	3cu n	1.7	Isw	Inw	0	146.9	,,	
6	0	0	0	0.0	0	2ne	3ne	237.7	v. Slight	
7	0	0	0	0.0	0	Inw	0	316.7	calm	
8	0	0	0	0.0	0	0	0	111.0	,,	
9	0	0	0	0.0	0	In	0	141.6	,,	
10	0	0	4cu	1.3	Ie	0	0	118.8	,,	
11	8cu n	3cu	3cu	4.7	Isw	Isw	0	185.5	,,	Lightning in n. at night
12	3cu n	0	0	1.0	0	2n	3n	193.1	v. Slight	
13	0	0	0	0.0	0	Ine	3ne	241.9	,,	
14	0	0	2cu	0.7	0	3n	0	256.5	,,	
15	0	0	0	0.0	Ine	0	0	193.1	calm	
16	3cu	2cu	5cu	3.3	0	2nw	0	330.2	,,	
17	7cu n	3cu	3cu n	4.3	0	Inw	0	176.5	,,	
18	3cu	0	0	1.0	Ine	2ne	2ne	101.6	v. Slight	
19	0	0	7cu	2.3	0	In	2ne	394.5	calm	
20	8ci	2cu ci	0	3.3	0	0	0	291.8	,,	
21	0	2cu	Icu	1.0	2sw	2sw	0	273.1	,,	
22	0	Icu	0	0.3	0	Iw	0	260.2	,,	
23	7cu n	9cu n	6n	7.3	0	Iw	0	191.8	,,	Few drops
24	0	Icu	0	0.3	0	In	0	154.8	,,	
25	3s	5s	0	2.7	0	3ne	3ne	203.2	slight	
26	4s	8s	0	4.0	3n	2n	0	583.1	v. Slight	
27	0	0	0	0.0	0	Isw	0	137.0	calm	
28	0	0	0	0.0	0	Inw	0	50.9	,,	
29	7s	0	0	2.3	0	0	Ine	122.5	,,	
30	8s	Is	0	3.0	0	0	0	129.5	,,	
31	10s	10s ci	4n	8.0	Iw	Iw	0	124.1	,,	
				1.78				211.22		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	3	1	0	0	3	1	1	21
2:30	6	5	0	0	0	4	3	7	6
8:30	2	6	0	0	0	0	0	0	23
Totals	9	14	1	0	0	7	4	8	50